

10141236

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LOGINID:ssspta1626kas

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),

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AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:43:55 ON 14 JAN 2003

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:44:06 ON 14 JAN 2003
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STRUCTURE FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3
DICTIONARY FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\09622645.str

L1 STRUCTURE UPLOADED

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.20

460.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.65

-0.65

FILE 'REGISTRY' ENTERED AT 10:03:35 ON 14 JAN 2003

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provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3

DICTIONARY FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\09622645.str

L12 STRUCTURE UPLOADED

=> que L12

L13 QUE L12

=> d

L13 HAS NO ANSWERS

L12 STR

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=> que L1

L2 QUE L1

=> d

L2 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L2 QUE ABB=ON PLU=ON L1

=> s l1 full

FULL SEARCH INITIATED 09:44:57 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 102 TO ITERATE

100.0% PROCESSED 102 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.03

L3 0 SEA SSS FUL L1

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\09622645.str

L4 STRUCTURE UPLOADED

=> que L4

L5 QUE L4

=> d

L5 HAS NO ANSWERS

L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L5 QUE ABB=ON PLU=ON L4

=> s l4 full

FULL SEARCH INITIATED 09:52:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3031 TO ITERATE

100.0% PROCESSED 3031 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.05

L6 5 SEA SSS FUL L4

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

10141236

=>

Uploading C:\Program Files\Stnexp\Queries\09622645.str

L7 STRUCTURE UPLOADED

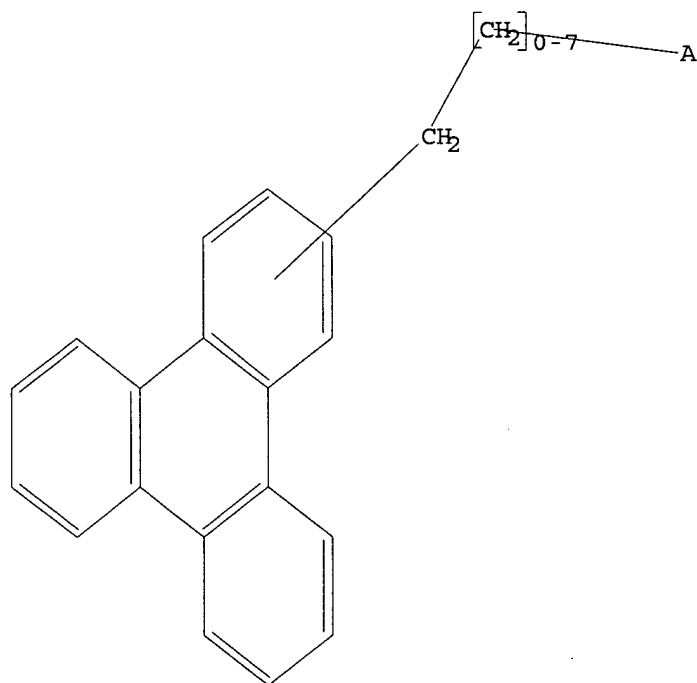
=> que L7

L8 QUE L7

=> d

L8 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

L8 QUE ABB=ON PLU=ON L7

=> s l7 full

FULL SEARCH INITIATED 10:00:27 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 170249 TO ITERATE

100.0% PROCESSED 170249 ITERATIONS

305 ANSWERS

SEARCH TIME: 00.00.24

L9 305 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

454.45

454.66

FILE 'CAPLUS' ENTERED AT 10:01:03 ON 14 JAN 2003

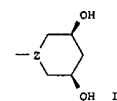
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L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1999:549251 CAPLUS
 DOCUMENT NUMBER: 131:184860
 TITLE: Preparation of antiretroviral functionalized aromatic compounds
 INVENTOR(S): Loret, Erwann; Lebreton, Jacques
 PATENT ASSIGNEE(S): Centre National De La Recherche Scientifique (CNRS),
 Fr.
 SOURCE: PCT Int. Appl., 57 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9942441	A1	19990826	WO 1999-FR363	19990218
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2775286	A1	19990827	FR 1998-2106	19980220
FR 2775286	B1	20010907		
CA 2321219	AA	19990826	CA 1999-2321219	19990218
EP 1056718	A1	20001206	EP 1999-903779	19990218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503719	T2	20020205	JP 2000-532393	19990218
PRIORITY APPLN. INFO.: FR 1998-2106 A 19980220				
WO 1999-FR363 W 19990218				

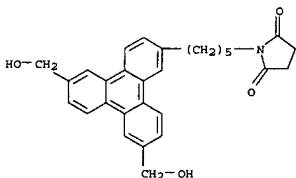
OTHER SOURCE(S): MARPAT 131:184860
 GI



AB Title compds., e.g., 2,6,10-trisubstituted triphenylene in which 1 substituent = 5-succinimidopentyl and the others independently = H, Me, CH₂OH, CH₂R (R = dihydroxycyclic group I; Z = CH or N), inhibitors of protein Tat, were prepd. Data for biol. activity of title compds. were given.

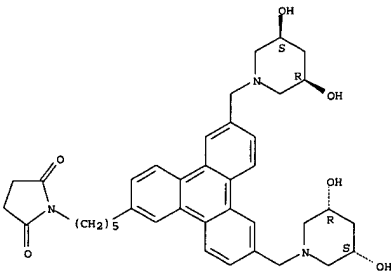
IT 239455-07-3P, 2-(5-Succinimidopentyl)-6,10-dimethyltriphenylene
 239455-14-2P, 2-(5-Succinimidopentyl)triphenylene
 239455-17-5P, 2-(5-Succinimidopentyl)-6,10-bis(hydroxymethyl)triphenylene 239455-20-0P 239479-45-9P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 239455-20-0 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis([(3R,5S)-3,5-dihydroxy-1-piperidinyl)methyl]-2-triphenylenyl)pentyl]- (9CI) (CA INDEX NAME)

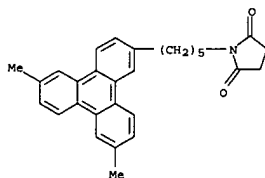
Relative stereochemistry.



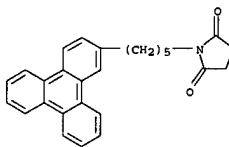
RN 239479-45-9 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis([(3.alpha.,5.alpha.)-3,5-dihydroxycyclohexyl)methyl]-2-triphenylenyl)pentyl]- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS (Continued)
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of antiretroviral functionalized arom. compds.)
 RN 239455-07-3 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-(6,10-dimethyl-2-triphenylenyl)pentyl]- (9CI) (CA INDEX NAME)

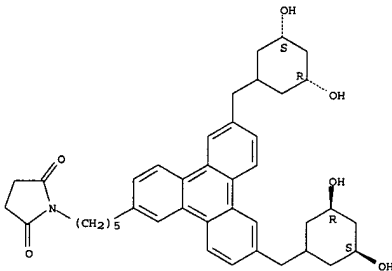


RN 239455-14-2 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-(2-triphenylenyl)pentyl]- (9CI) (CA INDEX NAME)



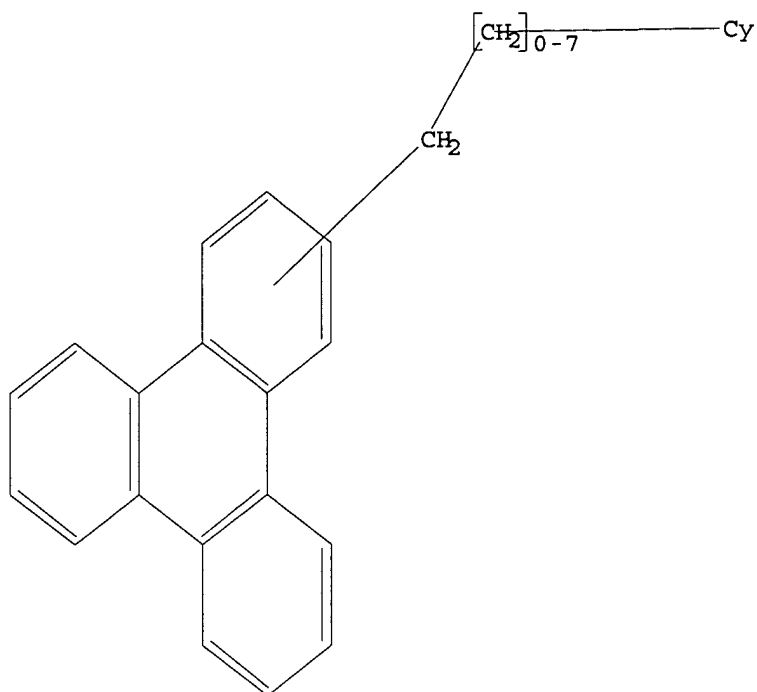
RN 239455-17-5 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis(hydroxymethyl)-2-triphenylenyl]pentyl]- (9CI) (CA INDEX NAME)

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS (Continued)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

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Structure attributes must be viewed using STN Express query preparation.
L13 QUE ABB=ON PLU=ON L12

=> s l12 full
FULL SEARCH INITIATED 10:04:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 170249 TO ITERATE

100.0% PROCESSED 170249 ITERATIONS
SEARCH TIME: 00.00.26

9 ANSWERS

L14 9 SEA SSS FUL L12

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.55	609.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.65

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FILE COVERS 1907 - 14 Jan 2003 VOL 138 ISS 3
FILE LAST UPDATED: 13 Jan 2003 (20030113/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l14

L15 11 L14

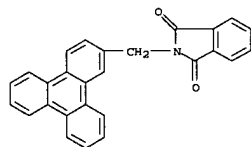
=> d ibib abs hitstr tot

10141236

L15 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1999:811293 CAPLUS
 DOCUMENT NUMBER: 132:50439
 TITLE: Hole-injector polymers
 INVENTOR(S): Veriot, Gilles; Vergnolle, Marie
 PATENT ASSIGNEE(S): Thomson-CSF, Fr.
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965961	A1	19991223	WO 1999-FR1282	19990601
W: JP, KR RM: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2779729	A1	19991217	FR 1998-7444	19980612
FR 2779729	B1	20000901		

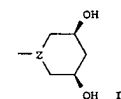
PRIORITY APPLN. INFO.: FR 1998-7444 A 19980612
 AB The invention relates to a new type of material that can be used for visual presentation in electroluminescent displays. The invention consists of straight-chain polymers contg. active groups in terms of hole injection in an electroluminescent material. The above-mentioned active groups can be a pyrazoline, benzoxazole, benzothiazole or amine type. A typical polymer was manuf. by polymn. of 4-(2-(2-benzothiazolyl)phenoxy)methylstyrene in the presence of AIBN.
 IT 166898-50-6P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (monomer precursor; hole-injector polymers contg. pyrazoline, benzoxazole, benzothiazole, or amine groups for electroluminescent displays)
 RN 166898-50-6 CAPLUS
 CN 1H-Isindole-1,3(2H)-dione, 2-(2-(triphenylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L15 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1999:549251 CAPLUS
 DOCUMENT NUMBER: 131:184860
 TITLE: Preparation of antiretroviral functionalized aromatic compounds
 INVENTOR(S): Loret, Erwann; Lebreton, Jacques
 PATENT ASSIGNEE(S): Centre National De La Recherche Scientifique (CNRS), Fr.
 SOURCE: PCT Int. Appl., 57 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

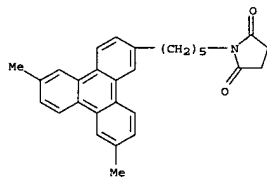
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9942441	A1	19990826	WO 1999-FR363	19990218
W: CA, JP, US RM: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2775286	A1	19990827	FR 1998-2106	19980220
FR 2775286	B1	20010907		
CA 2321219	AA	19990826	CA 1999-2321219	19990218
EP 1056718	A1	20001206	EP 1999-903779	19990218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503719	T2	20020205	JP 2000-532393	19990218
PRIORITY APPLN. INFO.: FR 1998-2106 A 19980220 WO 1999-FR363 W 19990218				
OTHER SOURCE(S): MARPAT 131:184860 GI				



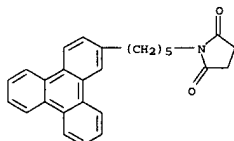
AB Title compds., e.g., 2,6,10-trisubstituted triphenylene in which 1 substituent = 5-succinimidopentyl and the others independently = H, Me, CH2OH, CH2R (R = dihydroxycyclic group I; Z = CH or N), inhibitors of protein Tat, were prepd. Data for biol. activity of title compds. were given.
 IT 239455-07-3P, 2-(5-Succinimidopentyl)-6,10-dimethyltriphenylene
 239455-14-4P, 2-(5-Succinimidopentyl)triphenylene
 239455-17-5P, 2-(5-Succinimidopentyl)-6,10-bis(hydroxymethyl)triphenylene 239455-20-0P 239479-45-9P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of antiretroviral functionalized arom. compds.)
 RN 239455-07-3 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-(6,10-dimethyl-2-triphenyl)pentyl]- (9CI)

L15 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2003 ACS (Continued)

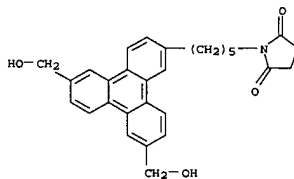
L15 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS (Continued) (CA INDEX NAME)



RN 239455-14-2 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-(2-triphenyl)pentyl]- (9CI) (CA INDEX NAME)



RN 239455-17-5 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis(hydroxymethyl)-2-triphenyl)pentyl]- (9CI) (CA INDEX NAME)



RN 239455-20-0 CAPLUS
 CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis(hydroxymethyl)-2-triphenyl)pentyl]- (9CI) (CA INDEX NAME)

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FILE COVERS 1907 - 14 Jan 2003 VOL 138 ISS 3
FILE LAST UPDATED: 13 Jan 2003 (20030113/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

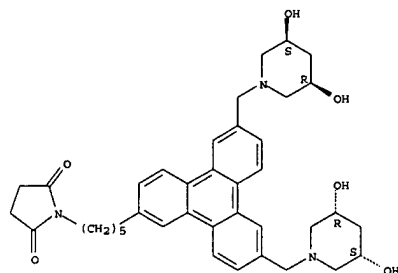
=> s 19
L10 257 L9

=> sl6
SL6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s 16
L11 1 L6

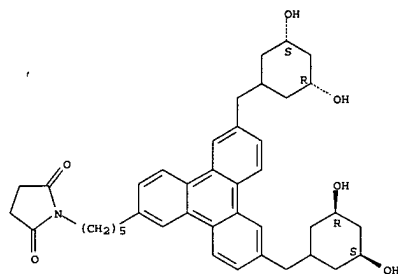
=> d ibib abs hitstr

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L15 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS (Continued)
Relative stereochemistry.

RN 239479-45-9 CAPLUS
CN 2,5-Pyrrolidinedione, 1-[5-[6,10-bis[(3.alpha.,5.alpha.)-3,5-dihydroxycyclohexyl]methyl]-2-triphenyl]pentyl]- (9CI) (CA INDEX NAME)

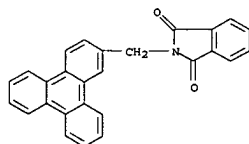
Relative stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:776265 CAPLUS
DOCUMENT NUMBER: 123:155463
TITLE: New Sensitizer-Modified Calix[4]arenes Enabling Near-UV Excitation of Complexed Luminescent Lanthanide Ions
AUTHOR(S): Steemers, Frank J.; Verboom, Willem; Reinhoudt, David N.; van der Tol, Erik B.; Verhoeven, Jan W.
CORPORATE SOURCE: Laboratories of Organic Chemistry, University of Twente, Enschede, 7500 AE, Neth.
SOURCE: Journal of the American Chemical Society (1995), 117(37), 9408-14
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The synthesis is described of calix[4]arenes with 3 different sensitizer chromophores (antenna) attached to the lower rim via a short spacer. In the Eu³⁺ and Tb³⁺ complexes of these calixarenes, photoexcitation of the antenna can induce lanthanide emission via intramol. energy transfer. Although the higher energy of the Tb³⁺ luminescent state makes it more difficult to sensitize than in the case of Eu³⁺, esp. a triphenylene antenna has strong sensitizing ability toward not only Eu³⁺ but also Tb³⁺, allowing excitation of the lanthanide with wavelengths extending to 350 nm.
IT 166898-50-6P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(new sensitizer-modified calix[4]arenes enabling near-UV excitation of complexed luminescent lanthanide ions)
RN 166898-50-6 CAPLUS
CN 1H-Indole-1,3(2H)-dione, 2-(2-triphenylmethyl)- (9CI) (CA INDEX NAME)



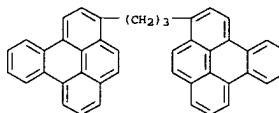
L15 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS (Continued)

L15 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:41591 CAPLUS
DOCUMENT NUMBER: 120:41591
TITLE: Organic electroluminescent device
INVENTOR(S): Hamada, Juji; Fujita, Masayuki; Fujii, Takanori; Kuroki, Kazuhiko
PATENT ASSIGNEE(S): Sanyo Electric Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

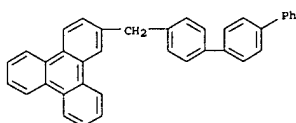
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05032966	A2	19930209	JP 1991-189789	19910730
JP 3162741	B2	20010508		

PRIORITY APPLN. INFO.: JP 1991-189789 19910730
OTHER SOURCE(S): MARPAT 120:41591
AB The device comprises a phosphor sandwiched between a hole- and an electron-transporting org. layer, wherein the phosphor consists of Ar1Ar2...ArnG (Ar1-n = polycyclic condensed arom. ring; G = alkyl, substituted benzene, heterocyclic ring). The device, emitting blue-violet light, has improved long-life stability.
IT 152119-70-5
RL: PRP (Properties)
(electroluminescent blue-emitting phosphor contg.)
RN 152119-70-5 CAPLUS
CN Benzo[e]pyrene, 3,3'-(1,3-propanediyl)bis- (9CI) (CA INDEX NAME)

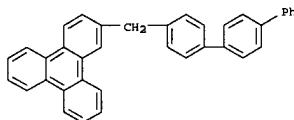


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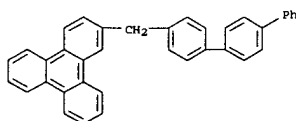
L15 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1989:94360 CAPLUS
 DOCUMENT NUMBER: 110:94360
 TITLE: Triplet-triplet absorption spectra of organic molecules in condensed phases.
 AUTHOR(S): Carmichael, Ian; Hug, Gordon L.
 CORPORATE SOURCE: Radiat. Chem. Data Cent., Univ. Notre Dame, Notre Dame, IN, 46556, USA
 SOURCE: Journal of Physical and Chemical Reference Data (1986), 15(1), 1-250
 CODEN: JPCRB; ISSN: 0047-2689
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A review in which a compilation is given of spectral parameters assocd. with triplet-triplet absorption of org. mols. in condensed media. The wavelengths of max. absorbance and the corresponding extinction coeffs., where known, were critically evaluated. Other data, for example, lifetimes, energies, and energy transfer rates, relevant to the triplet states of these mols., are included by way of comments, but have not been subjected to a similar scrutiny. An introduction is given to triplet state processes in soln. and solids, developing the conceptual background and offering a historical perspective on the detection and measurement of triplet state absorption. Techniques employed to populate the triplet state are reviewed and the various approaches to the estn. of the extinction coeff. of triplet-triplet absorption are discussed. A statistical anal. of the available data is presented and recommendations for a hierarchical choice of extinction coeffs. are made. Data collection is expected to be complete through the end of 1984.
 IT 26071-74-9
 RL: PRP (Properties)
 (triplet-triplet absorption spectrum of)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)



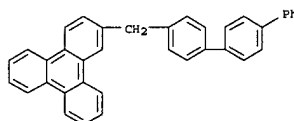
L15 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1988:509706 CAPLUS
 DOCUMENT NUMBER: 109:109706
 TITLE: Triplet-triplet absorption spectra of organic molecules in condensed phases
 AUTHOR(S): Carmichael, Ian; Hug, Gordon L.
 CORPORATE SOURCE: Radiat. Chem. Data Cent., Univ. Notre Dame, Notre Dame, IN, 46556, USA
 SOURCE: Journal of Physical and Chemical Reference Data (1986), 15(1), 1-250
 CODEN: JPCRB; ISSN: 0047-2689
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 AB A review in which a compilation is given of spectral parameters assocd. with triplet-triplet absorption of org. mols. in condensed media. Other data, for example, lifetimes, energies and energy transfer rates, relevant to the triplet states of these mols., are included by way of comments, but have not been subjected to a similar scrutiny. An introduction is given to triplet state processes in soln. and solids, developing the conceptual background and offering an historical perspective on the detection and measurement of triplet state absorption. Techniques employed to populate the triplet state are reviewed and the various approaches to the estn. of the extinction coeff. of triplet-triplet absorption are discussed. A statistical anal. of the available data is presented and recommendations for a hierarchical choice of extinction coeffs. are made. Data collection is expected to be complete through the end of 1984.
 IT 26071-74-9
 RL: PRP (Properties)
 (triplet-triplet absorption spectrum of)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1987:607880 CAPLUS
 DOCUMENT NUMBER: 107:207880
 TITLE: Extinction coefficients of triplet-triplet absorption spectra of organic molecules in condensed phases: a least-squares analysis
 AUTHOR(S): Carmichael, Ian; Helman, M. P.; Hug, G. L.
 CORPORATE SOURCE: Radiat. Chem. Data Cent., Univ. Notre Dame, Notre Dame, IN, 46556, USA
 SOURCE: Journal of Physical and Chemical Reference Data (1987), 16(2), 239-60
 CODEN: JPCRB; ISSN: 0047-2689
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A global least-squares technique was developed to assist in the crit. evaluation of data consisting of large sets of measurements. The technique was designed to handle sets of data where many of the measurements are relative measurements. A linearization procedure was used to reduce the inherently nonlinear problem to a traditional multivariate linear regression. The technique was used to evaluate extinction coeffs., epsilon, of triplet-triplet absorption (TTA) spectra of org. mols. in condensed phases. A previous assumption, that there are no solvent effects on the TTA spectra, was investigated and modified so that a group of compds. measured in PhH was treated sep. The set of 445 epsilon's obtained from the global least-squares fit, including these solvent effects, are presented. How these least-squares results can be used in a hierarchy of TTA epsilon. stds. is discussed. Further solvent effects such as the sepn. of polar and nonpolar media and the influence of temp. were probed.
 IT 26071-74-9, 2-([1,1':4',1''-Terphenyl]-4-ylmethyl)triphenylene
 RL: PRP (Properties)
 (extinction coeff. of, global least-squares fit of)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)

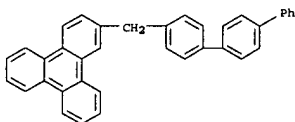


L15 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1972:65784 CAPLUS
 DOCUMENT NUMBER: 76:65784
 TITLE: Energy transfer studies on bridged molecules containing p-terphenyl
 AUTHOR(S): Brinen, J. S.; Gerhardt, G. E.; Kazan, J.
 CORPORATE SOURCE: Cent. Res. Div., Am. Cyanamid Co., Stamford, CT, USA
 SOURCE: Org. Scintill. Liquid Scintill. Counting, Proc. Int. Conf. (1971), Meeting Date 1970, 289-304, Editor(s): Horrocks, Donald L. Academic: New York, N. Y.
 CODEN: 24INA3
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 AB The effect of orbital props. on intramol. energy transfer processes in model compds. contg. non-conjugated chromophores was investigated for 4-(4-p-terphenylmethyl)benzophenone (I) and 2-(4-p-terphenylmethyl)triphenylene (II). Quant. ESR measurements reveal a difference in triplet state populations at steady state while quant. luminescence data point up different rates of singlet-singlet energy transfer. This difference is discussed in terms of the Forster mechanism.
 Polarized luminescence measurements were made on II, 2-methyltriphenylene, 2-methoxytriphenylene and 2-(4-p-terphenyloxy)triphenylene to examine the effect of different "bridges" on radiative transitions in these mols.
 IT 26071-74-9
 RL: PRP (Properties)
 (energy transfer in, ESR and luminescence in relation to intramol.)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)

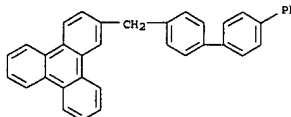


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L15 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1971:17884 CAPLUS
 DOCUMENT NUMBER: 74:17884
 TITLE: ESR and luminescence studies of intramolecular energy transfer
 AUTHOR(S): Brinen, Jacob S.; Gerhardt, G. E.
 CORPORATE SOURCE: Cent. Res. Div., Am. Cyanamid Co., Stamford, CT, USA
 SOURCE: Molecular Photochemistry (1970), 2(2), 121-31
 CODEN: MLPCBL; ISSN: 0026-8968
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Quant. ESR and luminescence studies have been made on 2 compds. contg. nonconjugated chromophores; p-terphenyl bridged via a methylene group to (a) benzophenone (low energy n, pi.* states) and (b) triphenylene (pi., pi.* states). The results show that the rate of singlet-singlet transfer is different for the 2 systems. This difference is discussed in terms of the Forster mechanism which adequately describes only the compd. contg. the n, pi.* states. The efficiencies of other rate processes are changed when triphenylene replaces benzophenone.
 IT 26071-74-9
 RL: PRP (Properties)
 (electron spin resonance and luminescence of, energy transfer in relation to)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1970:126896 CAPLUS
 DOCUMENT NUMBER: 72:126896
 TITLE: Triplet-triplet absorption via intramolecular energy transfer
 AUTHOR(S): Brinen, Jacob S.; Gerhardt, G. E.; Kazan, J.
 CORPORATE SOURCE: Cent. Res. Div., Amer. Cyanamid Co., Stamford, CT, USA
 SOURCE: Chemical Physics Letters (1970), 5(3), 150-2
 CODEN: CHPLBC; ISSN: 0009-2614
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Triplet-triplet absorption studies including extinction coeff. and polarization measurements are reported for 4-(4-p-terphenylmethyl)benzophenone and 2-(4-p-terphenylmethyl)triphenylene. The enhancement of triplet concn. via intramol. energy transfer processes in these compds. permits these measurements to be performed.
 IT 26071-74-9
 RL: PRP (Properties)
 (spectrum of, energy transfer in relation to triplet-triplet bands in)
 RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1970:66623 CAPLUS
 DOCUMENT NUMBER: 72:66623
 TITLE: Photochromic compounds containing polyphenyl groups
 INVENTOR(S): Gerhardt, Gerard E.; Kazan, John, Jr.; Innes, John E.
 PATENT ASSIGNEE(S): American Cyanamid Co.
 SOURCE: Ger. Offen., 56 pp.
 CODEN: GWXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1925088	A	19691120	DE 1969-1925088	19690516
US 3609194	A	19710928	US 1968-729515	19680516
US 3639481	A	19720201	US 1968-729520	19680516
US 3649696	A	19720314	US 1968-729521	19680516
PRIORITY APPLN. INFO.:			US 1968-729515	19680516
			US 1968-729520	19680516
			US 1968-729521	19680516
			US 1968-729522	19680516

AB Title compds. (I) had the general formula AXB. A discussion of the mechanism of their photochromic effect is given. I are used for the manuf. of solar glasses, welding goggles, windows of motor cars and airplanes as well as for coating materials and energy measuring instruments. Thus, 33 g AlCl3 was added to a soln. of 43 g p-terphenyl and 35 g p-ClC6H4COCl in 1500 ml CS at room temp. over 20 min, and the mixt. stirred 28 hr to give 4-(4-chlorobenzoyl)-p-terphenyl, m. 273.2-3.8.degree. (HCONMe2). This (3.70 g) was added to a mixt. of 50 ml Et2O, 5.15 g AlCl3 and 0.625 g LiAlH4 over 15 min, and the mixt. refluxed 30 min to give 4-(4-chlorobenzyl)-p-terphenyl, m. 199-200.degree. (AcOH). This (5 g), 1.8 g CuCN, and 2 cc pyridine was heated 50 hr at 225-35.degree. to give 4-(4-cyanobenzyl)-p-terphenyl, m. 234.5-35.degree. (C6H6). To 5.4 g of this in 25 ml C6H6 was added 5.4 g 3M PhMgBr in Et2O and the mixt. refluxed 16 hr to give I (A = p-BzC6H4, X = CH2, B = p-terphenyl-4-yl), m. 212.degree. (EtOAc). 2-Triphenylenecarbonyl chloride (5.82 g), 4.6 g p-terphenyl, 4.0 g AlCl3, 150 ml CS2, and 150

ml PhNO2 was heated on a steam bath approx. 3.5 hr with distn. of CS2 to give p-terphenyl-4-yl 2-triphenylenyl ketone (II), m. 243-4.5.degree. (CHCl3-EtOAc). This (0.6 g), 10 ml diethylene glycol, 2 ml N2H4.H2O and

1 g KOH was heated 1 hr on a steam bath, H2O distd., and the mixt. refluxed 2 hr, to give 2-(p-terphenyl-4-ylmethyl)triphenylene, m. 267.5-68.degree. (tetrahydrofuran). A mixt. of 5.94 g p-HOC6H4Bz and 1.12 g KOH was

heated to 280-90.degree. under N until the H2O formed was removed, 0.1 g powd.

Cu and 3.7 g 4-i-odo-p-terphenyl added to the melt, and the mixt. heated 6

hr at 330-40.degree. to give I (A = p-BzC6H4, X = O, B = p-terphenyl-4-yl), m. 245.5-7.5.degree. (CHCl3). A mixt. of 1.23 g 3-hydroxy-p-terphenyl, 1.5 g 4-BrC6H4Bz, 25 m HCONMe2, 0.9 g K2CO3, and 0.1 powd. Cu was

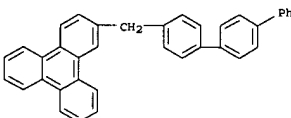
refluxed 24 hr to give I (A = p-BzC6H4, X = O, B = p-terphenyl-3-yl), m. 120-1.degree. (BuOH). Similarly was prepd. 3-(p-terphenyl-4-yloxy)benzophenone. A mixt. of 2.33 g 3-hydroxyxanthone, 3.7 g 4-iodo-p-terphenyl, 0.86 g Cu2O, and 4 ml 2,4,6-trimethylpyridine was

L15 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2003 ACS (Continued)
 refluxed 72 hr under N to give 3-(p-terphenyl-4-yloxy)xanthone, m. 229-30.degree. (BuOH, PhCl). A mixt. of 1.6 g 3-hydroxy-p-terphenyl, 1.91 g p-BrCH2C6H4Bz, and 1.11 g K2CO3 was refluxed 22 hr to give I (A = p-BzC6H4, X = CH2O, B = p-terphenyl-3-yl), m. 146-8.degree. (BuOH, methylcyclohexane). A mixt. of 2-bromomethylantraquinone, 1.6 g 3-hydroxy-p-terphenyl, 0.926 g K2CO3, and 200 ml 75% aq. Me2CO was refluxed 24 hr to give 2-(p-terphenyl-3-yloxy)methylanthraquinone, m. 258-9.degree. (PhCl, AcOBu-PhCl). 4-PhC6H4CH2CH2OH (99 g) was added slowly to a mixt. of 11.5 g powd. Na and 400 ml PhMe. After H evolution ceased, 138 g p-BrCH2C6H4Ph was added, and the mixt. refluxed approx. 1 hr to give I (A = p-BzC6H4, X = CH2OC2H4, B = p-biphenyl-4-yl). p-BrCH2C6H4Ph (1.4 g), 1.23 g p-terphenyl-4-ylamine, 0.75 g K2CO3, and 50 ml 80% aq. Me2CO was refluxed 28 hr to give I (A = p-BzC6H4, X = CH2NH, B = p-terphenyl-4-yl), m. 235-7.degree. (C6H6). Similarly was prepd. N,N'-bis(4-benzoylbenzyl)benzidine. A mixt. of 1.4 g 4-BrCH2-C6H4Ph, 0.85 g p-biphenyl-4-ylamine, 0.75 g K2CO3, and 50 ml 80% aq. Me2CO was

refluxed 6 hr to give I (A = p-BzC6H4, X = CH2NH, B = p-biphenyl-4-yl), m. 188-9.degree. (C6H6). Prepn. of polymerizates and resins was described. Absorption wavelengths were given.

IT 26071-74-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 26071-74-9 CAPLUS
 CN Triphenylene, 2-([1,1':4',1''-terphenyl]-4-ylmethyl)- (9CI) (CA INDEX NAME)



Kamal Saeed

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SINCE FILE

TOTAL

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